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(54) POWER RECOVERING METHOD FROM LIQUEFIED NATURAL GAS AIMING AT LOW-LOAD STABILIZATION

effectiveness for keeping stabilized operation during low load.

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(57) Abstract:

PURPOSE: To provide a stable operation even with varying load or, in particular, during low load for a process to recover cold while the LNG is being regasified.

CONSTITUTION: When the LNG contained in an LNG tank 1 is to be gasified by this power recovering method, heat exchange between LNG and the working fluid is made by the use of a multi-fluid heatexchanger consisting dividedly of a normal temperature part 3' and a low temperature part 3 in order to recover power by rotating a turbine 6 while permitting the working fluid to perform Rankin's cycle using the LNG as source of cold and sea water etc. as external heat source at high temp. 11, where it is so arranged in the low temperature part 3 of the heatexchanger that the LNG and the high pressure working fluid flows rising vertically and the low pressure working fluid, falling. According to this constitution, the low pressure working fluid at the low temperature part 3 of heatexchanger, in which the speed becomes lowest owing to condensation of low-pressure working fluid, is hindered against reverse mixing owing to influence of the gravity, that provides good

